

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Name of Work: Emergency grants in ward no.10 doddabommasandra vidyaranyapura sub division

Sl. No.	Approved Qty.	Description	Unit		
				In Figures	In Words
1	56.94	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202. Complete as per specifications and the directions of the Engineer-in-charge	Cum	1785.92	Rupees One Thousand Seven Hundred Eighty Five and Ninety Two Paise Only
2	54.47	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications Dismantling brick/Tile work B. In cement mortar. Complete as per specifications and the directions of the Engineer-in-charge	Cum	448.88	Rupees Four Hundred Forty Eight and Eighty Eight Paise Only
3	75.96	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) Complete as per specifications and the directions of the Engineer-in-charge	Sqm	162.68	Rupees One Hundred Sixty Two and Sixty Eight Paise Only
4	122.81	Conveying the excavated earth, debris etc., with all lead and lifts including loading and unloading charges etc., Complete as per specifications and the directions of the Engineer-in-charge	Cum	67.18	Rupees Sixty Seven and Seventeen Paise Only
5	29.57	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods. Complete as per specifications and the directions of the Engineer-in-charge	Cum	484.92	Rupees Four Hundred Eighty Four and Ninety Two Paise Only
6	8.91	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications and the directions of the Engineer-in-charge	Cum	2623.32	Rupees Two Thousand Six Hundred Twenty Three and Thirty Two Paise Only

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7	5.05	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing.Complete as per specifications and the directions of the Engineer-in-charge	Cum	5510.16	Rupees Five Thousand Five Hundred Ten and Sixteen Paise Only
8	82.46	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.43cum, with superplasticiser @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Complete as per specifications and the directions of the Engineer-in-charge	Cum	5754.24	Rupees Five Thousand Seven Hundred Fifty Four and Twenty Four Paise Only
9	14.26	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerdressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing.Complete as per specifications and the directions of the Engineer-in-charge	Cum	4963.68	Rupees Four Thousand Nine Hundred Sixty Three and Sixty Eight Paise Only
10	1.35	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour .Complete as per specifications and the directions of the Engineer-in-charge	Cum	217.08	Rupees Two Hundred Seventeen and Eight Paise Only
11	28.22	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., .Complete as per specifications and the directions of the Engineer-in-charge	Cum	67.09	Rupees Sixty Seven and Eight Paise Only
12	8.02	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing .Complete as per specifications and the directions of the Engineer-in-charge	Cum	6883.64	Rupees Six Thousand Eight Hundred Eighty Three and Sixty Four Paise Only
13	35.64	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing .Complete as per specifications and the directions of the Engineer-in-charge	Sqm	150.52	Rupees One Hundred Fifty and Fifty Two Paise Only
14	168.98	Construction of embankment with approved material Gravel/Murru with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density).Complete as per specifications and the directions of the Engineer-in-charge	Cum	344.50	Rupees Three Hundred Forty Four and Fifty Paise Only

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15	12.96	Providing and filling sand in trenches to required depth including watering ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site .Complete as per specifications and the directions of the Engineer-in-charge	Cum	2183.60	Rupees Two Thousand One Hundred Eighty Three and Sixty Paise Only
16	7.76	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 112, I.No. 14.62 of PWD SR 2018-19)	Sqm	1330.56	Rupees One Thousand Three Hundred Thirty and Fifty Six Paise Only
17	79.20	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4, as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1	Cum	984.96	Rupees Nine Hundred Eighty Four and Ninety Six Paise Only
18	158.40	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing .Complete as per specifications and the directions of the Engineer-in-charge	Sqm	281.88	Rupees Two Hundred Eighty One and Eighty Eight Paise Only
19	1365.68	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all material cost of labour and scaffolding etc. .Complete as per specifications and the directions of the Engineer-in-charge	Sqm	84.24	Rupees Eighty Four and Twenty Four Paise Only
20	896.76	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, .Complete as per specifications and the directions of the Engineer-in-charge	Sqm	97.20	Rupees Ninety Seven and Twenty Paise Only
21	549.65	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof .Complete as per specifications and the directions of the Engineer-in-charge	Sqm	127.44	Rupees One Hundred Twenty Seven and Forty Four Paise Only

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22	454.95	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, .Complete as per specifications and the directions of the Engineer-in-charge	Sqm	367.20	Rupees Three Hundred Sixty Seven and Twenty Paise Only
23	384.52	An additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor	Sqm	375.84	Rupees Three Hundred Seventy Five and Eighty Four Paise Only
24	194.34	An additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor	Sqm	384.48	Rupees Three Hundred Eighty Four and Forty Eight Paise Only
25	375.20	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so	Sqm	1073.52	Rupees One Thousand Seventy Three and Fifty Two Paise Only
26	23.40	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	104.76	Rupees One Hundred Four and Seventy Six Paise Only
27	70.80	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge	sqm	102.60	Rupees One Hundred Two and Sixty Paise Only
28	13.85	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4	Cum	484.92	Rupees Four Hundred Eighty Four and Ninety Two Paise Only

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29	0.73	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3	Cum	5510.16	Rupees Five Thousand Five Hundred Ten and Sixteen Paise Only
30	38.34	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28	Cum	278.64	Rupees Two Hundred Seventy Eight and Sixty Four Paise Only
31	7.29	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications for heights more than 3.50m from ground level. - 0 to 5 mtrs. Specification No. KBS 4.6.2 page no.16 item no 4.29.2	Sqm	432.00	Rupees Four Hundred Thirty Two Only
32	4.94	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, column pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10	Cum	6276.96	Rupees Six Thousand Two Hundred Seventy Six and Ninety Six Paise Only
33	0.62	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2	Tonne	69562.80	Rupees Sixty Nine Thousand Five Hundred Sixty Two and Eighty Paise Only
34	4.00	Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing Complete as per specifications and the directions of the Engineer-in-charge	No.s	298.08	Rupees Two Hundred Ninety Eight and Eight Paise Only
35	13.85	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4	Cum	67.09	Rupees Sixty Seven and Nine Paise Only

Name of Work: Emergency grants in ward no.10 doddabommasandra vidyaranypa sub division

36	32.94	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all Complete as per specifications and the directions of the Engineer-in-charge	Sqm	568.08	Rupees Five Hundred Sixty Eight and Eight Paise Only
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Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92
Kalahanka Zone BBMP

Note:

- 1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)
- 2 Unit rates and prices shall be quoted by the Tender in Indian rupees.
- 3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a))
- 4 Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))